

Fig.1

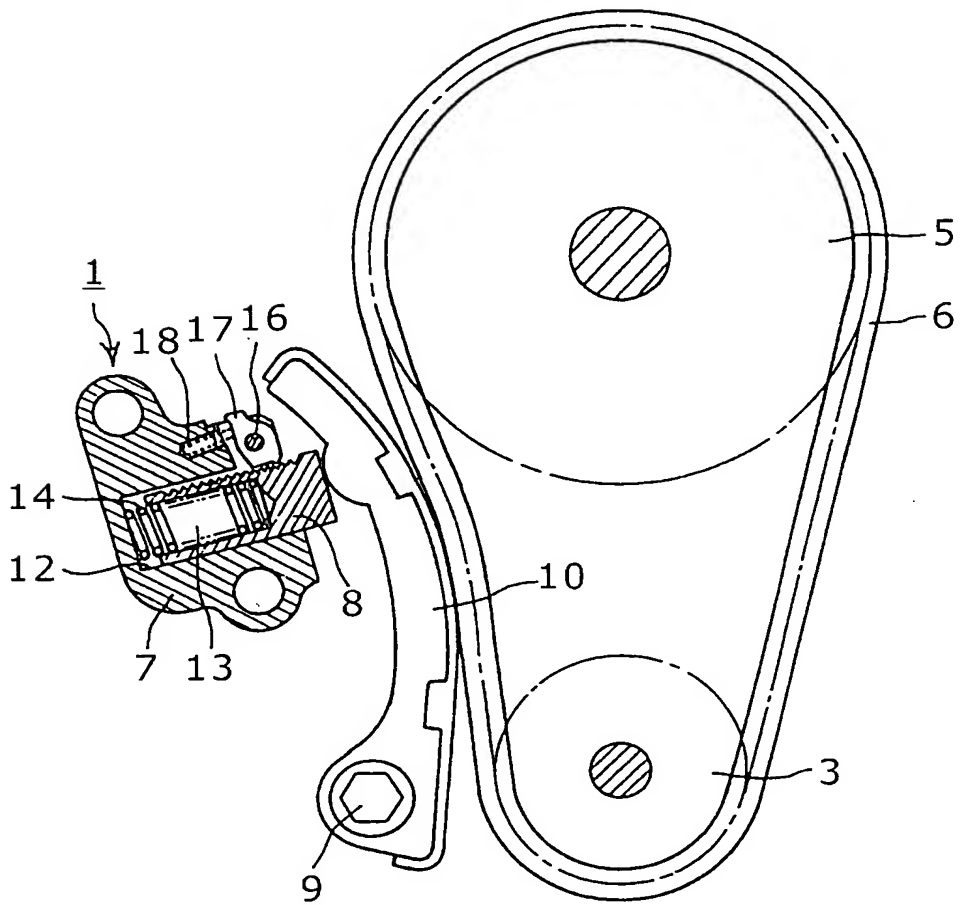


Fig.2

	Material	Step	Sintering density	Wear ratio
Conventional-product	A	Typical molding+Typical sintering+Carburization quenching and tempering	7.00	1.00
Example 1	A	Warm molding+Typical sintering+Carburization quenching and tempering	7.20	0.75
Example 2	B	Warm molding+Typical sintering+Carburization quenching and tempering	7.20	0.70
Example 3	A	Warm molding+High temperature sintering+Carburization quenching and tempering	7.30	0.67
Example 4	C	Warm molding+High temperature sintering+Carburization quenching and tempering	7.30	0.60
Example 5	D	Warm molding+High temperature sintering+Carburization quenching and tempering	7.35	0.66
Example 6	A	Warm molding+High temperature sintering+Recompression+Carburization quenching and tempering	7.45	0.58
Example 7	C	Warm molding+High temperature sintering+Recompression+Carburization quenching and tempering	7.50	0.45

Fig.3

